

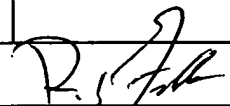
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| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 105193.06 | | APPLICATION NO. Rule 53(b) Continuation of 10/060,340 filed February 1, 2002 10/693,570 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Hideki KOMATSUDA | | | |
| | | | | FILING DATE October 27, 2003 | | GROUP 2851 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | |
| P2 | | 5,669,708 | 09-1997 | Mashima et al. | | | |
| ↑ | | 5,677,939 | 10-1997 | Oshino | | | |
| | | 4,734,829 | 03-1988 | Wu et al. | | | |
| | | 5,512,759 | 04-1996 | Sweatt | | | |
| | | 5,098,184 | 03-1992 | van den Brandt et al. | | | |
| ↓ | | 6,195,201 B1 | 02-2001 | Koch et al. | | | |
| | | 6,198,793 B1 | 03-2001 | Schultz et al. | | | |
| P2 | | 3,267,802 | 08-1966 | M.L. Noble | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS | |
| P2 | | EP 1 024 408 A2 | 08-2000 | Europe | | | |
| P2 | | EP 0 744 641 A2 | 11-1996 | Europe | | | |
| P2 | | JP-A-5-100097 | 04-1993 | Japan (with abstract) | | | |
| P2 | | JP-A-56-81813 | 07-1981 | Japan (with abstract) | | | |
| P2 | | JP-A-9-326352 | 12-1997 | Japan (with abstract) | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
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| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

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| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 105193.06 | | APPLICATION NO. Rule 53(b) Continuation of 10/060,340 filed February 1, 2002 10/693 520 | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Hideki KOMATSUDA | | | |
| | | | | FILING DATE October 27, 2003 | | GROUP 2851 | |

| U.S. PATENT DOCUMENTS | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
| DA ↑ ↓ DA | | 3,296,923 | 01-1967 | J.R. Miles | / | |
| | | 5,684,566 | 11-1997 | Stanton | / | |
| | | 5,594,526 | 01-1997 | Mori et al. | / | |
| | | 5,760,963 | 06-1998 | Mori | / | |
| | | 5,739,899 | 04-1998 | Nishi et al. | / | |
| | | 3,941,475 | 03-1976 | Sheets | / | |
| | | 2,991,691 | 07-1961 | H. Schering | / | |
| | | 3,555,987 | 01-1971 | I. Browning | / | |
| | | 1,333,304 | 02-1920 | H.P. Page | / | |
| | | 1,342,894 | 06-1920 | L.W. Bugbee | / | |
| | | 1,633,228 | 06-1927 | E.C. Rogers | / | |

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| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS |
| DA | | 741,246 | 11-1955 | Great Britain | / | |
| DA | | 818,229 | 08-1959 | Great Britain | / | |
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| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 105193.06 | | APPLICATION NO. Rule 53(b) Continuation of 10/060,340 filed February 1, 2002 <i>10/693,920</i> | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Hideki KOMATSUDA | | | |
| FILING DATE October 27, 2003 | | | | GROUP <i>2851</i> | | | |

| U.S. PATENT DOCUMENTS | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
| <i>24</i> | | 1,762,932 | 06-1930 | J. Mihalyi | | |
| <i>1</i> | | 2,183,249 | 12-1939 | H. Schering et al. | | |
| | | 2,186,123 | 01-1940 | K. Rantsch et al. | | |
| | | 2,195,184 | 03-1940 | R.G. Mobarry | | |
| | | 2,202,061 | 05-1940 | R.G. Mobarry et al. | | |
| | | 2,238,008 | 04-1941 | E.W. Beck et al. | | |
| | | 2,270,517 | 01-1942 | A. Drucker | | |
| | | 2,326,970 | 08-1943 | K. Rantsch | | |
| | | 2,552,185 | 05-1951 | G.J. Koch | | |
| | | 2,803,163 | 08-1957 | H. Uiffers | | |
| <i>22</i> | | 3,166,625 | 01-1965 | C.H. Brumley | | |

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| EXAMINER <i>[Signature]</i> | DATE CONSIDERED <i>2-15-05</i> |
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| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 105193.06 | | APPLICATION NO. Rule 53(b) Continuation of 10/060,340 filed February 1, 2002 <i>10/653,520</i> | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Hideki KOMATSUDA | | | |
| FILING DATE October 27, 2003 | | | | GROUP <i>2551</i> | | | |

| U.S. PATENT DOCUMENTS | | | | | | |
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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | |
| <i>P2</i> ↑ ↓ <i>22</i> | 6,231,198 B1 | 05-2001 | Foo | | | |
| | 4,475,027 | 10-1984 | Pressley | | | |
| | 4,497,015 | 01-1985 | Konno et al. | | | |
| | 4,701,023 | 10-1987 | Hager et al. | | | |
| | 4,769,750 | 09-1988 | Matsumoto et al. | | | |
| | 4,884,869 | 12-1989 | Uemura | | | |
| | 5,237,367 | 08-1993 | Kudo | | | |
| | 5,440,423 | 08-1995 | Ogura | | | |
| | 5,459,547 | 10-1995 | Shiozawa | | | |
| | 2,225,485 | 12-1940 | K. Rantsch | | | |

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| Form PTO-1449 (REV. 8-83) | | US Dept. of Commerce PATENT & TRADEMARK OFFICE | | ATTY DOCKET NO. 105193.06 | | APPLICATION NO. Rule 53(b) Continuation of 10/060,340 filed February 1, 2002 <i>10/657,520</i> | |
| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Hideki KOMATSUDA | | | |
| FILING DATE October 27, 2003 | | | | GROUP <i>2851</i> | | | |

| U.S. PATENT DOCUMENTS | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
| <i>PA</i> | | 5,339,346 | 08-1994 | White | | |
| <i>PA</i> | | 5,361,292 | 11-1994 | Sweatt | | |
| | | 5,815,310 | 09-1998 | Williamson | | |
| | | 5,581,605 | 12-1996 | Murakami et al. | | |
| | | 5,894,341 | 04-1999 | Nishi et al. | | |
| | | 5,891,806 | 04-1999 | Shibuya et al. | | |
| | | 5,864,388 | 01-1999 | Shima et al. | | |
| | | 5,724,122 | 03-1998 | Oskotsky | | |
| | | 5,631,721 | 05-1997 | Stanton et al. | | |
| <i>PA</i> | | 4,931,830 | 06-1990 | Suwa et al. | | |

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| <i>PA</i> <i>PA</i> <i>PA</i> | JOURNAL OF THE OPTICAL SOCIETY OF AMERICA, vol. 62, no. 12, December 1972, "Formulation of a Reflector-Design Problem for a Lighting Fixture", J.S. SCHRUBEN, pages 1498-1501. "Computer-Aided Optical Design of Illuminating and Irradiating Devices", O. KUSCH, ASLAN Publishing House, Moscow 1993, Chapter 3, pp. 145-173. APPLIED OPTICS, vol. 35, no. 10, April 1996, "Tailored reflectors for illumination", D. JENKINS et al., pages 1669-1672. |
| EXAMINER <i>[Signature]</i> | DATE CONSIDERED <i>2-16-05</i> |

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| INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary) | | | | APPLICANT(S) Hideki KOMATSUDA | | | |
| | | | | FILING DATE October 27, 2003 | | GROUP <i>2851</i> | |

| U.S. PATENT DOCUMENTS | | | | | | |
|--|--|-----------------|---------|--------------------------|-------|--------------|
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
| <i>Pa</i> ↑ ↓ <i>Pa</i> | | 4,682,885 | 07-1987 | Torigoe | | |
| | | 5,245,384 | 09-1993 | Mori | | |
| | | 5,315,629 | 05-1994 | Jewell et al. | | |
| | | 5,534,970 | 07-1996 | Nakashima et al. | | |
| | | 5,703,675 | 12-1997 | Hirukawa et al. | | |
| | | 5,737,137 | 04-1998 | Cohen et al. | | |
| | | 6,249,382 B1 | 06-2001 | Komatsuda | | |
| | | 6,281,967 B1 | 08-2001 | Kudo | | |
| | | 6,295,122 B1 | 09-2001 | Schultz et al. | | |
| | | 6,480,262 B1 | 11-2002 | Tanaka et al. | | |
| | | 2001/0012101 A1 | 08-2001 | Mulkens | | |
| | | 2001/0043408 A1 | 11-2001 | Wangler et al. | | |
| FOREIGN PATENT DOCUMENTS | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS |
| <i>Pa</i> | | JP-A-60-232552 | 11-1985 | Japan (with abstract) | | |
| <i>Pa</i> | | JP-A-62-2540 | 01-1987 | Japan (with translation) | | |
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| EXAMINER <i>R. J. H.</i> | DATE CONSIDERED <i>2-16-05</i> |
| Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

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| U.S. PATENT DOCUMENTS | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS |
| PA | | 5,222,112 | 06-1993 | Terasawa et al. | | |
| PA | | 5,636,003 | 06-1997 | Tanitsu et al. | | |
| PA | | 5,896,438 | 04-1999 | Miyake et al. | | |
| PA | | 6,038,279 | 03-2000 | Miyake et al. | | |
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| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB CLASS |
| PA | | JP-A-4-157469 | 05-1992 | Japan | | |
| PA | | JP-A-5-180996 | 07-1993 | Japan | | |
| PA | | JP-A-5-283320 | 10-1993 | Japan | | |
| PA | | JP-A-7-94396 | 04-1995 | Japan | | |
| PA | | JP-A-8-5796 | 01-1996 | Japan | | |

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